

RESULTS OF SEDIMENT ANALYSES

This table shows sediment samples collected in 1997 and 1998 by the Fish Tissue and Sediment Monitoring Program that exceeded NOAA guideline screening values [effects range - low and effects range - median] for PCB, PAHs and trace metals (MacDonald, 1992), and pesticides (Long and Morgan, 1990). Stations that exceeded the "effects range - median" are printed in bold. Stations that approached the "effects range - low" are indicated with **.

DEQ compares concentrations of contaminants detected in sediment to "screening values," informal guidelines developed by the National Oceanic and Atmospheric Administration, to evaluate whether there is a potential for toxicity for aquatic organisms that live on the stream bottom. There is a low potential to affect bottom-dwelling aquatic life when the sediment contains less than the "effects range - low" concentration of a contaminant. There is an increasingly higher potential for affecting aquatic life when contaminant concentrations in sediment exceed the "effects range - median" concentration.

Routine sediment monitoring

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997						
TENNESSEE AND BIG SANDY RIVER - Big Sandy River Subbasin						
1997	CRANES NEST RIVER	6ACNR003.00	FLUORENE	17.9 **	19	540
1997	CRANES NEST RIVER	6ACNR003.00	TOTAL PAH	4152.7	4022	44790
1997	GARDEN CREEK	6AGAR001.78	TOTAL CHLORDANE	2.6	0.5	6
1997	GARDEN CREEK	6AGAR001.78	DDD	1.7 **	2	20
1997	GARDEN CREEK	6AGAR001.78	DDT	4.4	1	7
1997	GARDEN CREEK	6AGAR001.78	FLUORENE	47.9	19	540
1997	GARDEN CREEK	6AGAR001.78	PCB	105.7	22.7	350
1997	GARDEN CREEK	6AGAR001.78	TOTAL DDT	6.7	3	350
1997	GARDEN CREEK	6AGAR001.78	TOTAL PAH	7124.4	4022	44790
1997	KNOX CREEK	6AKOX008.11	ARSENIC	11000	8200	70000
1997	KNOX CREEK	6AKOX008.11	PCB	68	22.7	180
1997	KNOX CREEK	6AKOX008.11	SILVER	1200	1000	3700
1997	KNOX CREEK	6AKOX008.11	TOTAL PAH	5000.8	4022	44790
1997	MCLURE RIVER	6AMCR000.54	DDT	0.5 **	1	7
1997	SLATE CREEK	6ASAT004.56	ARSENIC	11000	8200	70000
1997	SLATE CREEK	6ASAT004.56	MERCURY	150	150	710
TENNESSEE AND BIG SANDY RIVER - Clinch River Subbasin						
1997	LAKE WITTEN	6BCAV002.88	MERCURY	160	150	710
1997	CLINCH RIVER	6BCLN211.00	FLUORENE	29.9	19	540
1997	CLINCH RIVER	6BCLN236.00	ARSENIC	8500	8200	70000
1997	CLINCH RIVER	6BCLN236.00	DDT	0.7 **	1	7
1997	CLINCH RIVER	6BCLN264.96	ANTHRACENE	117.9	85.3	1100
1997	CLINCH RIVER	6BCLN264.96	TOTAL CHLORDANE	2	0.5	6

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997	CLINCH RIVER	6BCLN264.96	FLUORANTHENE	676.9	600	5100
1997	CLINCH RIVER	6BCLN264.96	FLUORENE	84.6	19	540
1997	CLINCH RIVER	6BCLN264.96	MERCURY	180	150	710
1997	CLINCH RIVER	6BCLN264.96	PCB	36.1	22.7	180
1997	CLINCH RIVER	6BCLN264.96	PHENANTHRENE	796	240	1500
1997	CLINCH RIVER	6BCLN264.96	TOTAL PAH	17274	4022	44790
1997	DUMPS CREEK	6BDUM003.37	DDT	1.3	1	7
1997	DUMPS CREEK	6BDUM003.37	FLUORENE	195.5	19	540
1997	DUMPS CREEK	6BDUM003.37	NAPHTHALENE	225.3	160	2100
1997	DUMPS CREEK	6BDUM003.37	PHENANTHRENE	990.8	240	1500
1997	DUMPS CREEK	6BDUM003.37	TOTAL PAH	32107.4	4022	44790
1997	GUEST RIVER	6BGUE006.45	DDT	3	1	7
1997	GUEST RIVER	6BGUE006.45	FLUORENE	21.2	19	540
1997	GUEST RIVER	6BGUE006.45	TOTAL DDT	3	3	350
1997	GUEST RIVER	6BGUE006.45	TOTAL PAH	4988	4022	44790
1997	N. F. POWELL RIVER	6BPWL001.62	TOTAL CHLORDANE	0.4 **	0.5	6
1997	N. F. POWELL RIVER	6BPWL001.62	FLUORENE	45.2	19	540
1997	N. F. POWELL RIVER	6BPWL001.62	NAPHTHALENE	479.9	160	2100
1997	N. F. POWELL RIVER	6BPWL001.62	PHENANTHRENE	407	240	1500
1997	N. F. POWELL RIVER	6BPWL001.62	TOTAL PAH	10714.2	4022	44790
1997	KEOKEE LAKE	6BPWL025.32	ARSENIC	11000	8200	70000
1997	KEOKEE LAKE	6BPWL025.32	CADMIUM	1900	1200	9600
1997	KEOKEE LAKE	6BPWL025.32	TOTAL CHLORDANE	2.2	0.5	6
1997	KEOKEE LAKE	6BPWL025.32	DDT	0.7 **	1	7
1997	KEOKEE LAKE	6BPWL025.32	FLUORENE	85.6	19	540
1997	KEOKEE LAKE	6BPWL025.32	LEAD	55000	46700	223000
1997	KEOKEE LAKE	6BPWL025.32	MERCURY	390	150	710
1997	KEOKEE LAKE	6BPWL025.32	PHENANTHRENE	346.4	240	1500
1997	KEOKEE LAKE	6BPWL025.32	TOTAL PAH	16564.4	4022	44790
1997	STRAIGHT CREEK	6BSRA001.34	FLUORENE	23	19	540
1997	STRAIGHT CREEK	6BSRA001.34	PHENANTHRENE	271.1	240	1500
1997	STRAIGHT CREEK	6BSRA001.34	TOTAL PAH	6258.3	4022	44790

TENNESSEE AND BIG SANDY RIVER - Holston River Subbasin

1997	HIDDEN VALLEY LAKE	6CBRU010.86	ARSENIC	10000	8200	70000
1997	HIDDEN VALLEY LAKE	6CBRU010.86	MERCURY	290	150	710
1997	HUNGRY MOTHER LAKE	6CHUN005.24	ARSENIC	10000	8200	70000
1997	HUNGRY MOTHER LAKE	6CHUN005.24	DDT	3.7	1	7
1997	HUNGRY MOTHER LAKE	6CHUN005.24	MERCURY	210	150	710
1997	HUNGRY MOTHER LAKE	6CHUN005.24	TOTAL DDT	4.7	3	350
1997	M. F. HOLSTON RIVER	6CMFH026.00	TOTAL CHLORDANE	0.5	0.5	6

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION (PPB) DRY WT</u>	<u>EFFECTS RANGE - LOW (PPB)</u>	<u>EFFECTS RANGE - MEDIAN (PPB)</u>
1997	M. F. HOLSTON RIVER	6CMFH026.00	DDT	1.6	1	7
1997	M. F. HOLSTON RIVER	6CMFH026.00	TOTAL DDT	2.5 **	3	350
1997	M. F. HOLSTON RIVER	6CMFH033.40	DDE	4.2	2	15
1997	M. F. HOLSTON RIVER	6CMFH033.40	DDT	1.1	1	7
1997	M. F. HOLSTON RIVER	6CMFH033.40	TOTAL DDT	5.8	3	350
1997	N. F. HOLSTON RIVER	6CNFH039.18	ARSENIC	9600	8200	70000
1997	N. F. HOLSTON RIVER	6CNFH039.18	DDT	5.7	1	7
1997	N. F. HOLSTON RIVER	6CNFH039.18	MERCURY	2900	150	710
1997	N. F. HOLSTON RIVER	6CNFH039.18	TOTAL DDT	6.2	3	350
1997	N. F. HOLSTON RIVER	6CNFH097.67	DDT	15.6	1	7
1997	N. F. HOLSTON RIVER	6CNFH097.67	MERCURY	170	150	710
1997	N. F. HOLSTON RIVER	6CNFH097.67	TOTAL DDT	15.6	3	350
1997	N. F. HOLSTON RIVER	6CNFH097.67	TOTAL PAH	4021.9	4022	44790
1997	SOUTH HOLSTON LAKE	6CSFH070.80	MERCURY	250	150	710
1997	WOLF CREEK	6CWLF006.55	MERCURY	240	150	710

1998

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION (PPB) DRY WT</u>	<u>EFFECTS RANGE - LOW (PPB)</u>	<u>EFFECTS RANGE - MEDIAN (PPB)</u>
CHOWAN AND DISMAL SWAMP - Albemarle Sound Subbasin						
1998	MUDDY CREEK-NORTH BAY	5BMDY001.00	MERCURY	240	150	710
1998	NORTHWEST RIVER	5BNTW011.90	MERCURY	440	150	710
1998	NORTHWEST RIVER	5BNTW011.90	ZINC	154000	150000	410000
1998	NORTHWEST RIVER	5BNTW011.90	TOTAL CHLORDANE	4.4	0.5	6
1998	NORTHWEST RIVER	5BNTW011.90	DDD	7.58	2	20
1998	NORTHWEST RIVER	5BNTW011.90	DDE	11.57	2	15
1998	NORTHWEST RIVER	5BNTW011.90	TOTAL DDT	19.14	3	350
1998	NORTHWEST RIVER	5BNTW011.90	PCB	22.8	22.7	180
1998	NORTHWEST RIVER	5BNTW011.90	FLUORENE	21.61	19	540
1998	NORTH LANDING RIVER	5BNLR013.61	MERCURY	370	150	710
1998	NORTH LANDING RIVER	5BNLR002.11	MERCURY	1500	150	710
CHOWAN AND DISMAL SWAMP - Chowan River Subbasin						
1998	NOTTOWAY RIVER	5ANTW132.93	TOTAL CHLORDANE	1.47	0.5	6
JAMES RIVER BASIN - Lower James - Elizabeth River Subbasin						
1998	DEEP CREEK	2-DEC000.54	COPPER	89000	34000	270000

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1998	DEEP CREEK	2-DEC000.54	MERCURY	810	150	710
1998	DEEP CREEK	2-DEC000.54	LEAD	47000	46700	223000
1998	DEEP CREEK	2-DEC000.54	ZINC	402000	150000	410000
1998	DEEP CREEK	2-DEC000.54	ACENAPHTHENE	23.97	16	500
1998	DEEP CREEK	2-DEC000.54	FLUORENE	31.68	19	540
1998	DEEP CREEK	2-DEC000.54	FLUORANTHENE	812.04	600	5100
1998	DEEP CREEK	2-DEC000.54	PYRENE	988.84	665	2600
1998	DEEP CREEK	2-DEC000.54	BENZ[A]ANTHRACENE	515.32	261	1600
1998	DEEP CREEK	2-DEC000.54	CHRYSENE	619.48	384	2800
1998	DEEP CREEK	2-DEC000.54	DIBENZ[A,H]ANTHRACENE	195.57	63.4	260
1998	DEEP CREEK	2-DEC000.54	TOTAL PAH	8044.73	4022	44790
1998	DEEP CREEK	2-DEC000.54	DDD	3.43	2	20
1998	DEEP CREEK	2-DEC000.54	DDE	7.63	2	15
1998	DEEP CREEK	2-DEC000.54	DDT	1.25	1	7
1998	DEEP CREEK	2-DEC000.54	TOTAL DDT	12.31	3	350
1998	DEEP CREEK	2-DEC000.54	TOTAL CHLORDANE	3.36	0.5	6
1998	DEEP CREEK	2-DEC000.54	PCB	219	22.7	180
1998	SOUTHERN BR. ELIZABETH R.	2-SBE006.00	MERCURY	170	150	710
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	COPPER	44000	34000	270000
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	MERCURY	560	150	710
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	ZINC	159000	150000	410000
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	ACENAPHTHENE	25.56	16	500
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	FLUORENE	29.79	19	540
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	ANTHRACENE	103.29	85.3	1100
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	FLUORANTHENE	713.44	600	5100
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	PYRENE	909.54	665	2600
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	BENZ[A]ANTHRACENE	394.85	261	1600
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	CHRYSENE	699.32	384	2800
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	DIBENZ[A,H]ANTHRACENE	164	63.4	260
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	TOTAL PAH	7385.13	4022	44790
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	TOTAL CHLORDANE	3.48	0.5	6
1998	SOUTHERN BR. ELIZABETH R.	2-SBE007.46	PCB	70.7	22.7	180
1998	WILLOUGHBY BAY	2-WLY001.38	COPPER	32000**	34000	270000
1998	WILLOUGHBY BAY	2-WLY001.38	MERCURY	330	150	710
1998	WILLOUGHBY BAY	2-WLY001.38	ZINC	180000	150000	410000
1998	WILLOUGHBY BAY	2-WLY001.38	TOTAL CHLORDANE	1.03	0.5	6
1998	WILLOUGHBY BAY	2-WLY001.38	TOTAL DDT	3.33	3	350
1998	WILLOUGHBY BAY	2-WLY001.38	PCB	29.3	22.7	180

CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Lower Chesapeake Bay

1998	LINKHORN BAY	7-LNK002.77	MERCURY	260	150	710
------	--------------	-------------	---------	-----	-----	-----

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1998	LYNNHAVEN RIVER	7-LYN000.30	MERCURY	380	150	710
1998	EASTERN BR. LYNNHAVEN R.	7-EBL002.54	MERCURY	240	150	710
1998	LITTLE CREEK CHANNEL	7-LCC000.19	SILVER	1400	1000	3700
1998	LITTLE CREEK CHANNEL	7-LCC000.19	COPPER	128000	34000	270000
1998	LITTLE CREEK CHANNEL	7-LCC000.19	MERCURY	370	150	710
1998	LITTLE CREEK CHANNEL	7-LCC000.19	FLUORANTHENE	1107.47	600	5100
1998	LITTLE CREEK CHANNEL	7-LCC000.19	PYRENE	990.73	665	2600
1998	LITTLE CREEK CHANNEL	7-LCC000.19	BENZ[A]ANTHRACENE	328.45	261	1600
1998	LITTLE CREEK CHANNEL	7-LCC000.19	CHRYSENE	769.26	384	2800
1998	LITTLE CREEK CHANNEL	7-LCC000.19	DIBENZ[A,H]ANTHRACENE	89.16	63.4	260
1998	LITTLE CREEK CHANNEL	7-LCC000.19	TOTAL PAH	5619.93	4022	44790
1998	LITTLE CREEK CHANNEL	7-LCC000.19	DDD	2.08	2	20
1998	LITTLE CREEK CHANNEL	7-LCC000.19	DDE	2.7	2	15
1998	LITTLE CREEK CHANNEL	7-LCC000.19	TOTAL DDT	5.24	3	350
1998	LITTLE CREEK CHANNEL	7-LCC000.19	PCB	67	22.7	180
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	COPPER	45000	34000	270000
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	ACENAPHTHENE	39.3	16	500
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	FLUORENE	86.83	19	540
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	PHENANTHRENE	1172.54	240	1500
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	ANTHRACENE	340.29	85.3	1100
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	FLUORANTHENE	2203.64	600	5100
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	PYRENE	1586.56	665	2600
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	BENZ[A]ANTHRACENE	915.89	261	1600
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	CHRYSENE	1083.73	384	2800
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	BENZO[A]PYRENE	1044.31	430	1600
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	DIBENZ[A,H]ANTHRACENE	379.6	63.4	260
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	TOTAL PAH	12297.67	4022	44790
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	TOTAL CHLORDANE	38.74	0.5	6
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	DDE	4.97	2	15
1998	LITTLE CREEK RESERVOIR	7-LTR000.50	TOTAL DDT	6.98	3	350
CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Lower Peninsula						
1998	NORTHWEST BR. BACK RIVER	7-NWB002.10	CADMIUM	1100**	1200	9600
1998	NORTHWEST BR. BACK RIVER	7-NWB002.10	MERCURY	280	150	710
1998	POQUOSON RIVER	7-POQ002.11	COPPER	41000	34000	270000
1998	POQUOSON RIVER	7-POQ002.11	MERCURY	380	150	710
1998	BACK RIVER	7-BCA000.63	COPPER	40000	34000	270000
1998	BACK RIVER	7-BCA000.63	MERCURY	390	150	710
CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Middle Peninsula						
1998	FOX MILL CREEK	7-FOX002.49	MERCURY	190	150	710

<u>YEAR</u>	<u>WATERBODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1998	NORTH RIVER	7-NOR004.99	CHROMIUM	91000	81000	370000
1998	NORTH RIVER	7-NOR004.99	MERCURY	280	150	710
1998	NORTH RIVER	7-NOR004.99	ZINC	272000	150000	410000
1998	EAST RIVER	7-EST002.65	MERCURY	550	150	710
1998	EAST RIVER	7-EST002.65	ZINC	158000	150000	410000
1998	EAST RIVER	7-EST002.65	TOTAL CHLORDANE	0.79	0.5	6
1998	PIANKATANK RIVER	7-PNK009.53	MERCURY	290	150	710

CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Northern Neck

1998	INDIAN CREEK	7-IND001.80	CADMIUM	1000**	1200	9600
1998	INDIAN CREEK	7-IND001.80	COPPER	53000	34000	270000
1998	INDIAN CREEK	7-IND001.80	MERCURY	710	150	710
1998	INDIAN CREEK	7-IND001.80	ZINC	163000	150000	410000
1998	GREAT WICOMICO RIVER	7-GWR004.65	MERCURY	180	150	710
1998	COCKRELL CREEK	7-COC000.40	COPPER	84000	34000	270000
1998	COCKRELL CREEK	7-COC000.40	MERCURY	320	150	710
1998	COCKRELL CREEK	7-COC000.40	ZINC	276000	150000	410000
1998	COCKRELL CREEK	7-COC000.40	DDE	7.2	2	15
1998	COCKRELL CREEK	7-COC000.40	TOTAL DDT	7.2	3	350
1998	COCKRELL CREEK	7-COC000.40	PCB	23.1	22.7	180

CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Eastern Shore Chesapeake Bay

1998	HOLDENS CREEK	7-HLD002.67	MERCURY	330	150	710
1998	HOLDENS CREEK	7-HLD002.67	DDE	2.79	2	15
1998	HOLDENS CREEK	7-HLD002.67	TOTAL DDT	4.15	3	350
1998	ONANCOCK CREEK	7-OCN004.56	MERCURY	440	150	710
1998	OCCOHANNOCK CREEK	7-OCH003.80	MERCURY	330	150	710
1998	CAPE CHARLES HARBOR	7-CCH000.00	MERCURY	410	150	710
1998	CAPE CHARLES HARBOR	7-CCH000.00	DDE	2.62	2	15
1998	CAPE CHARLES HARBOR	7-CCH000.00	TOTAL DDT	4.42	3	350
1998	KIPTOPEKE STATE PARK	7-CHE	MERCURY	360	150	710
1998	KIPTOPEKE STATE PARK	7-CHE	ACENAPHTHENE	99.34	16	500
1998	KIPTOPEKE STATE PARK	7-CHE	FLUORENE	154.4	19	540
1998	KIPTOPEKE STATE PARK	7-CHE	PHENANTHRENE	757.27	240	1500
1998	KIPTOPEKE STATE PARK	7-CHE	ANTHRACENE	431.22	85.3	1100
1998	KIPTOPEKE STATE PARK	7-CHE	FLUORANTHENE	1659.85	600	5100
1998	KIPTOPEKE STATE PARK	7-CHE	PYRENE	970.26	665	2600
1998	KIPTOPEKE STATE PARK	7-CHE	BENZ[A]ANTHRACENE	586.5	261	1600
1998	KIPTOPEKE STATE PARK	7-CHE	CHRYSENE	864.82	384	2800
1998	KIPTOPEKE STATE PARK	7-CHE	TOTAL PAH	7628.63	4022	44790

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
CHESAPEAKE BAY, ATLANTIC OCEAN AND SMALL COASTAL BASINS - Eastern Shore Atlantic Ocean						
1998	LITTLE MOSQUITO CREEK	7-LTM001.60	MERCURY	420	150	710
1998	ASSAWOMAN CREEK	7-ASW003.36	ARSENIC	8200	8200	70000
1998	ASSAWOMAN CREEK	7-ASW003.36	MERCURY	450	150	710
1998	PARTING CREEK	7-PRT001.30	MERCURY	190	150	710
1998	PARTING CREEK	7-PRT001.30	ACENAPHTHENE	30.61	16	500
1998	PARTING CREEK	7-PRT001.30	FLUORENE	29.77	19	540
1998	PARTING CREEK	7-PRT001.30	PHENANTHRENE	772	240	1500
1998	PARTING CREEK	7-PRT001.30	FLUORANTHENE	3354.28	600	5100
1998	PARTING CREEK	7-PRT001.30	PYRENE	2796.12	665	2600
1998	PARTING CREEK	7-PRT001.30	BENZ[A]ANTHRACENE	912.62	261	1600
1998	PARTING CREEK	7-PRT001.30	CHRYSENE	2431.2	384	2800
1998	PARTING CREEK	7-PRT001.30	DIBENZ[A,H]ANTHRACENE	182.57	63.4	260
1998	PARTING CREEK	7-PRT001.30	TOTAL PAH	14963.62	4022	44790
1998	PARKER CREEK	7-PAR001.34	DDD	2.29	2	20
1998	PARKER CREEK	7-PAR001.34	TOTAL DDT	3.44	3	350
1998	PARKER CREEK	7-PAR001.34	MERCURY	270	150	710
1998	OYSTER SLIP	7-OSS000.20	MERCURY	220	150	710
1998	RACCOON CREEK	7-RAC000.00	COPPER	45000	34000	270000
1998	RACCOON CREEK	7-RAC000.00	MERCURY	180	150	710

Statewide characterization of contaminants in ambient sediments

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
POTOMAC AND SHENANDOAH RIVER SUBBASINS						
1997	BULL RUN	1ABUL006.64	TOTAL CHLORDANE	3.4	0.5	6
1997	BULL RUN	1ABUL006.64	DDD	7.2	2	20
1997	BULL RUN	1ABUL006.64	DDT	24.1	1	7
1997	BULL RUN	1ABUL006.64	MERCURY	170	150	710
1997	BULL RUN	1ABUL006.64	PCB	1660.4	22.7	180
1997	BULL RUN	1ABUL006.64	TOTAL DDT	31.6	3	350
1997	GOOSE CREEK	1AGOO012.83	MERCURY	170	150	710
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	ARSENIC	9100	8200	70000
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	BENZO(A)ANTHRACENE	418	261	1600
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	MERCURY	370	150	710
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	PHENANTHRENE	313.4	240	1500

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	PYRENE	373.1	665	2600
1997	N. F. SHENANDOAH RIVER	1BNFS007.58	TOTAL PAH	33437.3	4022	44790
1997	SHENANDOAH RIVER	1BSHN034.16	DDT	1.6	1	7
1997	SHENANDOAH RIVER	1BSHN034.16	MERCURY	560	150	710
1997	S. F. SHENANDOAH RIVER	1BSSF054.80	MERCURY	380	150	710
1997	S. F. SHENANDOAH RIVER	1BSSF079.78	ARSENIC	14000	8200	70000
1997	S. F. SHENANDOAH RIVER	1BSSF079.78	DDT	8.9	1	7
1997	S. F. SHENANDOAH RIVER	1BSSF079.78	MERCURY	900	150	710
1997	S. F. SHENANDOAH RIVER	1BSSF079.78	TOTAL DDT	8.9	3	350

JAMES RIVER BASIN

1997	APPOMATTOX RIVER	2-APP005.19	ARSENIC	11000	8200	70000
1997	APPOMATTOX RIVER	2-APP005.19	CHRYSENE	556.2	384	2800
1997	APPOMATTOX RIVER	2-APP005.19	DDT	0.6 **	1	7
1997	APPOMATTOX RIVER	2-APP005.19	MERCURY	250	150	710
1997	APPOMATTOX RIVER	2-APP015.38	ACENAPHTHENE	27.1	16	500
1997	APPOMATTOX RIVER	2-APP015.38	ARSENIC	14000	8200	70000
1997	APPOMATTOX RIVER	2-APP015.38	DDT	1.5	1	7
1997	APPOMATTOX RIVER	2-APP015.38	FLUORENE	177.2	19	540
1997	APPOMATTOX RIVER	2-APP015.38	PHENANTHRENE	285.1	240	1500
1997	APPOMATTOX RIVER	2-APP015.38	TOTAL PAH	9310	4022	44790
1997	JACKSON RIVER	2-JKS022.55	ACENAPHTHENE	20.2	16	500
1997	JACKSON RIVER	2-JKS022.55	BENZO(A)ANTHRACENE	253.8 **	261	1600
1997	JACKSON RIVER	2-JKS022.55	TOTAL CHLORDANE	17.6	0.5	6
1997	JACKSON RIVER	2-JKS022.55	DDD	7.4	2	20
1997	JACKSON RIVER	2-JKS022.55	DDE	4.6	2	15
1997	JACKSON RIVER	2-JKS022.55	FLUORANTHENE	837.7	600	5100
1997	JACKSON RIVER	2-JKS022.55	FLUORENE	34.5	19	540
1997	JACKSON RIVER	2-JKS022.55	LEAD	55000	46700	223000
1997	JACKSON RIVER	2-JKS022.55	PCB	182.4	22.7	180
1997	JACKSON RIVER	2-JKS022.55	PHENANTHRENE	375.2	240	1500
1997	JACKSON RIVER	2-JKS022.55	PYRENE	523.2	665	2600
1997	JACKSON RIVER	2-JKS022.55	TOTAL DDT	12	3	350
1997	JACKSON RIVER	2-JKS022.55	TOTAL PAH	11639.6	4022	44790
1997	JACKSON RIVER	2-JKS022.55	ZINC	244000	150000	410000
1997	JAMES RIVER	2-JMS053.34	ARSENIC	15000	8200	70000
1997	JAMES RIVER	2-JMS053.34	TOTAL CHLORDANE	0.4 **	0.5	6
1997	JAMES RIVER	2-JMS053.34	DDE	1.6 **	2	15
1997	JAMES RIVER	2-JMS053.34	DDT	4.5	1	7
1997	JAMES RIVER	2-JMS053.34	MERCURY	410	150	710
1997	JAMES RIVER	2-JMS053.34	TOTAL DDT	6.7	3	350

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997	JAMES RIVER	2-JMS053.34	TOTAL PAH	6353.1	4022	44790
1997	JAMES RIVER	2-JMS053.34	ZINC	149000	150000	410000
1997	JAMES RIVER	2-JMS059.24	ARSENIC	11000	8200	70000
1997	JAMES RIVER	2-JMS059.24	BENZO(A)ANTHRACENE	327.7	261	1600
1997	JAMES RIVER	2-JMS059.24	TOTAL CHLORDANE	1.5	0.5	6
1997	JAMES RIVER	2-JMS059.24	CHRYSENE	630.4	384	2800
1997	JAMES RIVER	2-JMS059.24	DDD	1.8 **	2	20
1997	JAMES RIVER	2-JMS059.24	DDE	4.4	2	15
1997	JAMES RIVER	2-JMS059.24	DDT	3.8	1	7
1997	JAMES RIVER	2-JMS059.24	MERCURY	450	150	710
1997	JAMES RIVER	2-JMS059.24	PCB	59.6	22.7	180
1997	JAMES RIVER	2-JMS059.24	TOTAL DDT	10	3	350
1997	JAMES RIVER	2-JMS059.24	TOTAL PAH	7606.1	4022	44790
1997	JAMES RIVER	2-JMS059.24	ZINC	150000	150000	410000
1997	JAMES RIVER	2-JMS081.19	ARSENIC	8800	8200	70000
1997	JAMES RIVER	2-JMS081.19	DDT	1.7	1	7
1997	JAMES RIVER	2-JMS081.19	MERCURY	250	150	710
1997	JAMES RIVER	2-JMS081.19	TOTAL DDT	2.8 **	3	350
1997	JAMES RIVER	2-JMS136.00	ARSENIC	11000	8200	70000
1997	JAMES RIVER	2-JMS136.00	MERCURY	250	150	710
1997	JAMES RIVER	2-JMS154.78	ARSENIC	83000	8200	70000
1997	JAMES RIVER	2-JMS154.78	BENZO(A)ANTHRACENE	572.1	261	1600
1997	JAMES RIVER	2-JMS154.78	CHRYSENE	523.1	384	2800
1997	JAMES RIVER	2-JMS154.78	DDT	0.9 **	1	7
1997	JAMES RIVER	2-JMS154.78	FLUORANTHENE	872.8	600	5100
1997	JAMES RIVER	2-JMS154.78	MERCURY	220	150	710
1997	JAMES RIVER	2-JMS154.78	MERCURY	160	150	710
1997	JAMES RIVER	2-JMS154.78	PYRENE	1225.8	665	2600
1997	JAMES RIVER	2-JMS154.78	TOTAL PAH	10865.5	4022	44790
1997	JAMES RIVER	2-JMS184.22	BENZO(A)ANTHRACENE	333.1	261	1600
1997	JAMES RIVER	2-JMS184.22	TOTAL CHLORDANE	4.2	0.5	6
1997	JAMES RIVER	2-JMS184.22	DDD	2.4	2	20
1997	JAMES RIVER	2-JMS184.22	DDT	3.7	1	7
1997	JAMES RIVER	2-JMS184.22	FLUORENE	39.2	19	540
1997	JAMES RIVER	2-JMS184.22	MERCURY	310	150	710
1997	JAMES RIVER	2-JMS184.22	PCB	49.4	22.7	180
1997	JAMES RIVER	2-JMS184.22	PHENANTHRENE	230.9	240	1500
1997	JAMES RIVER	2-JMS184.22	PYRENE	428.5	665	2600
1997	JAMES RIVER	2-JMS184.22	TOTAL DDT	7.3	3	350
1997	JAMES RIVER	2-JMS184.22	TOTAL PAH	13145.1	4022	44790
1997	JAMES RIVER	2-JMS184.22	ZINC	182000	150000	410000

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997	JAMES RIVER	2-JMS212.54	TOTAL CHLORDANE	1	0.05	6
1997	JAMES RIVER	2-JMS212.54	DDT	3.5	1	7
1997	JAMES RIVER	2-JMS212.54	MERCURY	570	150	710
1997	JAMES RIVER	2-JMS212.54	MERCURY	590	150	710
1997	JAMES RIVER	2-JMS212.54	PCB	68.4	22.7	180
1997	JAMES RIVER	2-JMS212.54	PCB	74.5	22.7	180
1997	JAMES RIVER	2-JMS212.54	TOTAL DDT	3.5	3	350
1997	JAMES RIVER	2-JMS212.54	ZINC	154000	150000	410000
1997	JAMES RIVER	2-JMS212.54-1	ANTHRACENE	306.7	85.3	1100
1997	JAMES RIVER	2-JMS212.54-1	BENZO(A)ANTHRACENE	915.6	261	1600
1997	JAMES RIVER	2-JMS212.54-1	CHRYSENE	502.3	384	2800
1997	JAMES RIVER	2-JMS212.54-1	FLUORANTHENE	937.9	600	5100
1997	JAMES RIVER	2-JMS212.54-1	FLUORENE	73.5	19	540
1997	JAMES RIVER	2-JMS212.54-1	PHENANTHRENE	732.2	240	1500
1997	JAMES RIVER	2-JMS212.54-1	PYRENE	1286.7	665	2600
1997	JAMES RIVER	2-JMS212.54-1	TOTAL PAH	17019.9	4022	44790
1997	JAMES RIVER	2-JMS212.54-2	ANTHRACENE	220.1	85.3	1100
1997	JAMES RIVER	2-JMS212.54-2	BENZO(A)ANTHRACENE	1029.2	261	1600
1997	JAMES RIVER	2-JMS212.54-2	CHRYSENE	544.5	384	2800
1997	JAMES RIVER	2-JMS212.54-2	FLUORANTHENE	843.4	600	5100
1997	JAMES RIVER	2-JMS212.54-2	FLUORENE	56.5	19	540
1997	JAMES RIVER	2-JMS212.54-2	PHENANTHRENE	732.2	240	1500
1997	JAMES RIVER	2-JMS212.54-2	PYRENE	1187.9	665	2600
1997	JAMES RIVER	2-JMS212.54-2	TOTAL PAH	17263.8	4022	44790
1997	JAMES RIVER	2-JMS215.91	ARSENIC	14000	8200	70000
1997	JAMES RIVER	2-JMS215.91	MERCURY	260	150	710
1997	JAMES RIVER	2-JMS215.91	MERCURY	380	150	710
1997	JAMES RIVER	2-JMS255.22	ARSENIC	13000	8200	70000
1997	JAMES RIVER	2-JMS255.22	TOTAL CHLORDANE	1	0.5	6
1997	JAMES RIVER	2-JMS255.22	DDT	1.6	1	7
1997	JAMES RIVER	2-JMS255.22	MERCURY	260	150	710
1997	JAMES RIVER	2-JMS255.22	TOTAL DDT	3.3	3	350
1997	JAMES RIVER	2-JMS255.22	TOTAL PAH	4714.3	4022	44790
1997	JAMES RIVER	2-JMS255.22	ANTIMONY	10000	2000	25000
1997	JAMES RIVER	2-JMS295.68	ZINC	202000	150000	410000
1997	JAMES RIVER	2-JMS212.54	ZINC	152000	150000	410000
1997	MAURY RIVER	2-MRY004.88	ARSENIC	9200	8200	70000
1997	MAURY RIVER	2-MRY004.88	TOTAL CHLORDANE	0.4 **	0.5	6
1997	MAURY RIVER	2-MRY004.88	DDT	2.4	1	6
1997	MAURY RIVER	2-MRY004.88	MERCURY	160	150	710
1997	MAURY RIVER	2-MRY004.88	TOTAL DDT	3	3	350

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION (PPB) DRY WT</u>	<u>EFFECTS RANGE - LOW (PPB)</u>	<u>EFFECTS RANGE - MEDIAN (PPB)</u>
1997	MAURY RIVER	2-MRY023.81	DDT	1.4	1	7
1997	RIVANNA RIVER	2-RVN008.84	ARSENIC	11000	8200	70000
1997	RIVANNA RIVER	2-RVN008.84	MERCURY	180	150	710
RAPPAHANNOCK RIVER BASIN						
1997	RAPIDAN RIVER	3-RAP001.37	ARSENIC	8800	8200	70000
1997	RAPIDAN RIVER	3-RAP001.37	FLUORENE	24.4	19	540
1997	RAPIDAN RIVER	3-RAP015.94	ARSENIC	9000	8200	70000
1997	RAPIDAN RIVER	3-RAP035.58	ARSENIC	8700	8200	70000
1997	RAPIDAN RIVER	3-RAP035.58	DDT	3.1	1	7
1997	RAPIDAN RIVER	3-RAP035.58	MERCURY	290	150	710
1997	RAPIDAN RIVER	3-RAP035.58	TOTAL DDT	3.1	3	350
1997	RAPPAHANNOCK RIVER	3-RPP054.43	ARSENIC	16000	8200	70000
1997	RAPPAHANNOCK RIVER	3-RPP054.43	ARSENIC	13000	8200	70000
1997	RAPPAHANNOCK RIVER	3-RPP054.43	MERCURY	160	150	710
1997	RAPPAHANNOCK RIVER	3-RPP054.43	MERCURY	200	150	710
1997	RAPPAHANNOCK RIVER	3-RPP063.32	ARSENIC	12000	8200	70000
1997	RAPPAHANNOCK RIVER	3-RPP063.32	DDT	0.9 **	1	7
1997	RAPPAHANNOCK RIVER	3-RPP063.32	MERCURY	370	150	710
1997	RAPPAHANNOCK RIVER	3-RPP063.32	TOTAL PAH	4669.1	4022	44790
1997	RAPPAHANNOCK RIVER	3-RPP098.05	DDE	1.5 **	2	15
1997	RAPPAHANNOCK RIVER	3-RPP098.05	DDT	2.1	1	7
1997	RAPPAHANNOCK RIVER	3-RPP098.05	MERCURY	340	150	710
1997	RAPPAHANNOCK RIVER	3-RPP098.05	TOTAL DDT	4	3	350
1997	RAPPAHANNOCK RIVER	3-RPP104.70	ARSENIC	9500	8200	70000
1997	RAPPAHANNOCK RIVER	3-RPP104.70	MERCURY	480	150	710
1997	RAPPAHANNOCK RIVER	3-RPP104.70	DDT	0.7 **	1	7
ROANOKE RIVER BASIN						
1997	DAN RIVER	4ADAN039.40	DDT	3.7	1	7
1997	DAN RIVER	4ADAN039.40	TOTAL DDT	3.7	3	350
1997	DAN RIVER	4ADAN053.12	TOTAL CHLORDANE	0.4 **	0.5	6
1997	DAN RIVER	4ADAN053.12	DDT	0.5 **	1	7
1997	DAN RIVER	4ADAN053.12	MERCURY	150	150	710
1997	ROANOKE RIVER	4AROA073.98	TOTAL CHLORDANE	1.2	0.5	6
1997	ROANOKE RIVER	4AROA073.98	MERCURY	250	150	710
1997	ROANOKE RIVER	4AROA073.98	PCB	26.2	22.7	180
1997	ROANOKE RIVER	4AROA099.22	ACENAPHTHENE	179.7	16	500
1997	ROANOKE RIVER	4AROA099.22	TOTAL CHLORDANE	0.5	0.5	6
1997	ROANOKE RIVER	4AROA112.72	TOTAL CHLORDANE	0.9	0.5	6
1997	ROANOKE RIVER	4AROA117.49	DDT	6.2	1	7

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION (PPB) DRY WT</u>	<u>EFFECTS RANGE - LOW (PPB)</u>	<u>EFFECTS RANGE - MEDIAN (PPB)</u>
1997	ROANOKE RIVER	4AROA117.49	MERCURY	520	150	710
1997	ROANOKE RIVER	4AROA117.49	TOTAL DDT	6.2	3	350
1997	ROANOKE RIVER	4AROA198.04	BENZO(A)ANTHRACENE	503.8	261	1600
1997	ROANOKE RIVER	4AROA198.04	BENZO(A)PYRENE	428.3 **	430	1600
1997	ROANOKE RIVER	4AROA198.04	TOTAL CHLORDANE	1.7	0.5	6
1997	ROANOKE RIVER	4AROA198.04	CHRYSENE	642.3	384	2800
1997	ROANOKE RIVER	4AROA198.04	DDE	1.6 **	2	15
1997	ROANOKE RIVER	4AROA198.04	DDT	1.9	1	7
1997	ROANOKE RIVER	4AROA198.04	DIBENZO(A,H)ANTHRACENE	76.1	63.4	260
1997	ROANOKE RIVER	4AROA198.04	PCB	33.1	22.7	180
1997	ROANOKE RIVER	4AROA198.04	TOTAL DDT	4.1	3	350
1997	ROANOKE RIVER	4AROA198.04	TOTAL PAH	7324	4022	44790
1997	SMITH RIVER	4ASRE007.09	MERCURY	150	150	710
1997	SMITH RIVER	4ASRE011.08	TOTAL CHLORDANE	0.4 **	0.5	6
1997	SMITH RIVER	4ASRE011.08	MERCURY	240	150	710

CHOWAN AND DISMAL SWAMP SUBBASINS

1997	BLACKWATER RIVER	5ABLW010.08	TOTAL CHLORDANE	0.9	0.5	6
1997	BLACKWATER RIVER	5ABLW010.08	DDD	3	2	20
1997	BLACKWATER RIVER	5ABLW010.08	DDE	3.6	2	15
1997	BLACKWATER RIVER	5ABLW010.08	DDT	0.7 **	1	7
1997	BLACKWATER RIVER	5ABLW010.08	PCB	50.7	22.7	180
1997	BLACKWATER RIVER	5ABLW010.08	TOTAL DDT	7.4	3	350
1997	BLACKWATER RIVER	5ABLW010.08	TOTAL PAH	11167.7	4022	44790
1997	BLACKWATER RIVER	5ABLW010.18	MERCURY	210	150	710
1997	MEHERIN RIVER	5AMHN022.33	MERCURY	160	150	710
1997	MEHERIN RIVER	5AMHN048.27	MERCURY	450	150	710
1997	NOTTOWAY RIVER	5ANTW056.55	ARSENIC	8300	8200	70000

TENNESSEE AND BIG SANDY RIVER SUBBASINS

1997	CLINCH RIVER	6BCLN224.20	ANTHRACENE	88.3	85.3	1100
1997	CLINCH RIVER	6BCLN224.20	BENZO(A)ANTHRACENE	302.1	261	1600
1997	CLINCH RIVER	6BCLN224.20	CHRYSENE	384.5	384	2800
1997	CLINCH RIVER	6BCLN224.20	DDT	1.3	1	7
1997	CLINCH RIVER	6BCLN224.20	FLUORANTHENE	898	600	5100
1997	CLINCH RIVER	6BCLN224.20	FLUORENE	49.3	19	540
1997	CLINCH RIVER	6BCLN224.20	PHENANTHRENE	1204.3	240	1500
1997	CLINCH RIVER	6BCLN224.20	PYRENE	700.5	665	2600
1997	CLINCH RIVER	6BCLN224.20	TOTAL PAH	10031.2	4022	44790
1997	CLINCH RIVER	6BCLN266.08	MERCURY	150	150	710
1997	CLINCH RIVER	6BCLN298.35	TOTAL CHLORDANE	0.5	0.5	6

<u>YEAR</u>	<u>WATER BODY</u>	<u>STATION</u>	<u>ANALYTE</u>	<u>CONCENTRATION</u> <u>(PPB) DRY WT</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>LOW (PPB)</u>	<u>EFFECTS</u> <u>RANGE -</u> <u>MEDIAN</u> <u>(PPB)</u>
1997	CLINCH RIVER	6BCLN298.35	FLUORENE	21.2	19	540
1997	CLINCH RIVER	6BCLN298.35	TOTAL PAH	5227.3	4022	44790
1997	POWELL RIVER	6BPOW121.76	FLUORENE	29.8	19	540
1997	POWELL RIVER	6BPOW121.76	PHENANTHRENE	254.5	240	1500
1997	POWELL RIVER	6BPOW143.81	ANTHRACENE	83.9	85.3	1100
1997	POWELL RIVER	6BPOW143.81	BENZO(A)ANTHRACENE	378.9	261	1600
1997	POWELL RIVER	6BPOW143.81	TOTAL CHLORDANE	1.4	0.5	6
1997	POWELL RIVER	6BPOW143.81	DDT	0.8 **	1	7
1997	POWELL RIVER	6BPOW143.81	FLUORENE	108.9	19	540
1997	POWELL RIVER	6BPOW143.81	MERCURY	270	150	710
1997	POWELL RIVER	6BPOW143.81	PHENANTHRENE	686.1	240	1500
1997	POWELL RIVER	6BPOW143.81	TOTAL PAH	24216.2	4022	44790
YORK RIVER BASIN						
1997	MATTAPONI RIVER	8-MPN063.85	MERCURY	250	150	710
1997	MATTAPONI RIVER	8-MPN085.62	MERCURY	160	150	710
1997	MATTAPONI RIVER	8-MPN085.62	TOTAL PAH	4956.8	4022	44790
1997	PAMUNKEY RIVER	8-PMK029.23	MERCURY	570	150	710
1997	PAMUNKEY RIVER	8-PMK029.23	ZINC	232000	150000	410000
1997	PAMUNKEY RIVER	8-PMK082.74	ARSENIC	17000	8200	70000
1997	PAMUNKEY RIVER	8-PMK082.74	CHROMIUM	81000	81000	370000
1997	PAMUNKEY RIVER	8-PMK082.74	MERCURY	180	150	710
NEW RIVER BASIN						
1997	LITTLE RIVER	9-LRV026.31	BENZO(A)ANTHRACENE	359.1	261	1600
1997	LITTLE RIVER	9-LRV026.31	MERCURY	180	150	710
1997	LITTLE RIVER	9-LRV026.31	ZINC	160000	150000	410000
1997	NEW RIVER	9-NEW049.38	TOTAL CHLORDANE	0.7	0.5	6
1997	NEW RIVER	9-NEW049.38	DDT	2.1	1	7
1997	NEW RIVER	9-NEW049.38	FLUORENE	22.7	19	540
1997	NEW RIVER	9-NEW049.38	LEAD	64000	46700	223000
1997	NEW RIVER	9-NEW049.38	ZINC	304000	150000	410000
1997	NEW RIVER	9-NEW117.42	CADMIUM	1200	1200	9600
1997	NEW RIVER	9-NEW117.42	LEAD	591000	46700	223000
1997	NEW RIVER	9-NEW117.42	ZINC	2266000	150000	410000
1997	WALKER CREEK	9-WLK026.12	DDT	2.7	1	7
1997	WALKER CREEK	9-WLK026.12	TOTAL DDT	2.9 **	3	350